



Solarpath’s SWPLB solar powered LED bollard is an architectural independent lighting solution ideal for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design combined with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

This solar powered outdoor lamp operates completely wirelessly, eliminating the need to dig across the property to install an electrical grid.

Energy storage and usage are controlled by a unique built-in self-decisive software algorithm. The curved vertically integrated solar panel is wind-resistant and self-cleaning, as dirt and dust cannot stick to the design. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance.

Key features

- Low installation and maintenance costs.
- Weatherproof and UV-proof.
- High LED performance.
- LED's operation lifetime over 70,000 hours.
- Light dimming engine.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical application.
- Battery enclosure.
- Wind- resistant and self-cleaning.

Technical Specifications

Solar Module Parameters	Type	Monocrystalline Silicon
	Power	40 W
LED Resource	Power	12 W
	Color temperature	4,000°K (Other colors upon request)
Battery type and parameters	Lithium (NMC)	448 Wh
Operation profile	Automatic adaption to sunset and sunrise.	
On-board mobile communication	GSM / LTE-M	
Encryption	TLS 1.2	
Global Navigation Satellite System (GNSS)	GPS, BeiDou, Galileo, GLONASS, QZSS	
Over-the-Cable updateable	Yes (USB- programming device optional)	
Over-the-Air updateable	Yes	
Remote monitoring and configuring	Optional	
Time and date	Astronomical clock	
Operation Temperature	-4°F-140°F	
Dimensions (inch)	Ø7.87*15.74 (Other height on request)	
Body color	Black / Silver (other colors upon request)	

Uses and Applications Guide

Pathways	●
Bike Path	●
Gardens	●
Public Parks	●
Residential areas	●
Public parks	●
Landscaping	●

